0590
1217

OIPE

#3

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/924,125

DATE: 12/13/2001
TIME: 13:58:26

Input Set : A:\ES.txt
Output Set: N:\CRF3\12132001\I924125.raw

ENTERED

```
      3 <110> APPLICANT: Communi, Didier
      5 <120> TITLE OF INVENTION: THE NATURAL LIGAND FOR ORPHAN G PROTEIN COUPLED RECEPTOR
GPR86 AND
      6       METHODS OF USE
      8 <130> FILE REFERENCE: 9049/2092
     10 <140> CURRENT APPLICATION NUMBER: 09/924,125
     11 <141> CURRENT FILING DATE: 2001-07-08
     13 <150> PRIOR APPLICATION NUMBER: US 09/924,125
     14 <151> PRIOR FILING DATE: 2001-07-08
     16 <160> NUMBER OF SEQ ID NOS: 9
     18 <170> SOFTWARE: PatentIn version 3.1
     20 <210> SEQ ID NO: 1
     21 <211> LENGTH: 1002
     22 <212> TYPE: DNA
     23 <213> ORGANISM: Homo sapiens
     25 <400> SEQUENCE: 1
     26 atgaacacca cagtgatgca aggcttcaac agatctgagc ggtgccccag agacactcgg     60
     28 atagtacagc tggtattccc agccctctac acagtggttt tcttgaccgg catcctgctg    120
     30 aatactttgg ctctgtgggt gtttgttcac atccccagct cctccacctt catcatctac    180
     32 ctcaaaaaca ctttggtggc cgacttgata atgacactca tgcttccttt caaaatcctc    240
     34 tctgactcac acctggcacc ctggcagctc agagcttttg tgtgtcgttt ttcttcggtg    300
     36 atattttatg agaccatgta tgtgggcatc gtgctgttag ggctcatagc ctttgacaga    360
     38 ttcctcaaga tcatcagacc tttgagaaat atttttctaa aaaaacctgt ttttgcaaaa    420
     40 acggtctcaa tcttcatctg gttcttttttg ttcttcatct ccctgccaaa tatgatcttg    480
     42 agcaacaagg aagcaacacc atcgtctgtg aaaaagtgtg cttccttaaa ggggcctctg    540
     44 gggctgaaat ggcatcaaat ggtaaataac atatgccagt ttatttttctg gactgttttt    600
     46 atcctaatgc ttgtgtttta tgtggttatt gcaaaaaaag tatatgattc ttatagaaag    660
     48 tccaaaagta aggacagaaa aaacaacaaa aagctggaag gcaaagtatt tgttgtcgtg    720
     50 gctgtcttct ttgtgtgttt tgctccattt cattttgcca gagttccata tactcacagt    780
     52 caaaccaaca ataagactga ctgtagactg caaaatcaac tgtttattgc taaagaaaca    840
     54 actctctttt tggcagcaac taacatttgt atggatccct taatatacat attcttatgt    900
     56 aaaaaattca cagaaaagct accatgtatg caagggagaa agaccacagc atcaagccaa    960
     58 gaaaatcata gcagtcagac agacaacata accttaggct ga                     1002
     61 <210> SEQ ID NO: 2
     62 <211> LENGTH: 333
     63 <212> TYPE: PRT
     64 <213> ORGANISM: Homo sapiens
     66 <400> SEQUENCE: 2
     68 Met Asn Thr Thr Val Met Gln Gly Phe Asn Arg Ser Glu Arg Cys Pro
     69 1               5                  10                  15
     72 Arg Asp Thr Arg Ile Val Gln Leu Val Phe Pro Ala Leu Tyr Thr Val
     73             20                  25                  30
     76 Val Phe Leu Thr Gly Ile Leu Leu Asn Thr Leu Ala Leu Trp Val Phe
     77         35                  40                  45
     80 Val His Ile Pro Ser Ser Ser Thr Phe Ile Ile Tyr Leu Lys Asn Thr
     81     50                  55                  60
     84 Leu Val Ala Asp Leu Ile Met Thr Leu Met Leu Pro Phe Lys Ile Leu
     85 65                  70                  75                  80
```

RAW SEQUENCE LISTING DATE: 12/13/2001
PATENT APPLICATION: US/09/924,125 TIME: 13:58:26

Input Set : A:\ES.txt
Output Set: N:\CRF3\12132001\I924125.raw

```
     88 Ser Asp Ser His Leu Ala Pro Trp Gln Leu Arg Ala Phe Val Cys Arg
     89                 85                  90                  95
     92 Phe Ser Ser Val Ile Phe Tyr Glu Thr Met Tyr Val Gly Ile Val Leu
     93             100                 105                 110
     96 Leu Gly Leu Ile Ala Phe Asp Arg Phe Leu Lys Ile Ile Arg Pro Leu
     97         115                 120                 125
    100 Arg Asn Ile Phe Leu Lys Lys Pro Val Phe Ala Lys Thr Val Ser Ile
    101     130                 135                 140
    104 Phe Ile Trp Phe Phe Leu Phe Phe Ile Ser Leu Pro Asn Met Ile Leu
    105 145                 150                 155                 160
    108 Ser Asn Lys Glu Ala Thr Pro Ser Ser Val Lys Lys Cys Ala Ser Leu
    109                 165                 170                 175
    112 Lys Gly Pro Leu Gly Leu Lys Trp His Gln Met Val Asn Asn Ile Cys
    113             180                 185                 190
    116 Gln Phe Ile Phe Trp Thr Val Phe Ile Leu Met Leu Val Phe Tyr Val
    117         195                 200                 205
    120 Val Ile Ala Lys Lys Val Tyr Asp Ser Tyr Arg Lys Ser Lys Ser Lys
    121     210                 215                 220
    124 Asp Arg Lys Asn Asn Lys Lys Leu Glu Gly Lys Val Phe Val Val Val
    125 225                 230                 235                 240
    128 Ala Val Phe Phe Val Cys Phe Ala Pro Phe His Phe Ala Arg Val Pro
    129                 245                 250                 255
    132 Tyr Thr His Ser Gln Thr Asn Asn Lys Thr Asp Cys Arg Leu Gln Asn
    133             260                 265                 270
    136 Gln Leu Phe Ile Ala Lys Glu Thr Thr Leu Phe Leu Ala Ala Thr Asn
    137         275                 280                 285
    140 Ile Cys Met Asp Pro Leu Ile Tyr Ile Phe Leu Cys Lys Lys Phe Thr
    141     290                 295                 300
    144 Glu Lys Leu Pro Cys Met Gln Gly Arg Lys Thr Thr Ala Ser Ser Gln
    145 305                 310                 315                 320
    148 Glu Asn His Ser Ser Gln Thr Asp Asn Ile Thr Leu Gly
    149                 325                 330
    152 <210> SEQ ID NO: 3
    153 <211> LENGTH: 11
    154 <212> TYPE: DNA
C--> 155 <213> ORGANISM: Artificial
    157 <220> FEATURE:
    158 <221> NAME/KEY: misc_binding
    159 <222> LOCATION: (1)..(11)
    160 <223> OTHER INFORMATION: NF-kB binding element
    163 <400> SEQUENCE: 3
    164 ggggactttc c                                                    11
    167 <210> SEQ ID NO: 4
    168 <211> LENGTH: 31
    169 <212> TYPE: DNA
C--> 170 <213> ORGANISM: Artificial
    172 <220> FEATURE:
W--> 173 <221> NAME/KEY: primer
    174 <222> LOCATION: (1)..(31)
```

RAW SEQUENCE LISTING DATE: 12/13/2001
PATENT APPLICATION: US/09/924,125 TIME: 13:58:26

Input Set : A:\ES.txt
Output Set: N:\CRF3\12132001\I924125.raw

175 <223> OTHER INFORMATION: GPR86 human receptor: a sense primer
178 <400> SEQUENCE: 4
179 ccggaattca ccatgaacac cacagtgatg c 31
182 <210> SEQ ID NO: 5
183 <211> LENGTH: 31
184 <212> TYPE: DNA
C--> 185 <213> ORGANISM: Artificial
187 <220> FEATURE:
W--> 188 <221> NAME/KEY: primer
189 <222> LOCATION: (1)..(31)
190 <223> OTHER INFORMATION: GPR86 human receptor: anti-sense primer
193 <400> SEQUENCE: 5
194 cttgtctaga tcagcctaag gttatgttgt c 31
197 <210> SEQ ID NO: 6
198 <211> LENGTH: 20
199 <212> TYPE: DNA
C--> 200 <213> ORGANISM: Artificial
202 <220> FEATURE:
W--> 203 <221> NAME/KEY: primer
204 <222> LOCATION: (1)..(20)
205 <223> OTHER INFORMATION: GPR86 sense primer
208 <400> SEQUENCE: 6
209 tgtgtcgttt ttcttcggtg 20
212 <210> SEQ ID NO: 7
213 <211> LENGTH: 18
214 <212> TYPE: DNA
C--> 215 <213> ORGANISM: Artificial
217 <220> FEATURE:
W--> 218 <221> NAME/KEY: primer
219 <222> LOCATION: (1)..(18)
220 <223> OTHER INFORMATION: GPR86 antisense primer
223 <400> SEQUENCE: 7
224 ctgccaaaaa gagagttg 18
227 <210> SEQ ID NO: 8
228 <211> LENGTH: 20
229 <212> TYPE: DNA
C--> 230 <213> ORGANISM: Artificial
232 <220> FEATURE:
W--> 233 <221> NAME/KEY: primer
234 <222> LOCATION: (1)..(20)
235 <223> OTHER INFORMATION: aldolase sense primer
238 <400> SEQUENCE: 8
239 ggcaagggca tcctggctgc 20
242 <210> SEQ ID NO: 9
243 <211> LENGTH: 23
244 <212> TYPE: DNA
C--> 245 <213> ORGANISM: Artificial
247 <220> FEATURE:
W--> 248 <221> NAME/KEY: primer

RAW SEQUENCE LISTING DATE: 12/13/2001
PATENT APPLICATION: US/09/924,125 TIME: 13:58:26

Input Set : A:\ES.txt
Output Set: N:\CRF3\12132001\I924125.raw

249 <222> LOCATION: (1)..(23)
250 <223> OTHER INFORMATION: aldolase antisense reverse primer
253 <400> SEQUENCE: 9
254 taacgggcca gaacattggc att 23

**VERIFICATION SUMMARY** DATE: 12/13/2001
PATENT APPLICATION: **US/09/924,125** TIME: 13:58:27

Input Set : **A:\ES.txt**
Output Set: **N:\CRF3\12132001\I924125.raw**

L:155 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3
L:170 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4
L:173 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
L:185 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5
L:188 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5
L:200 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6
L:203 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6
L:215 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:7
L:218 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7
L:230 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:8
L:233 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8
L:245 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:9
L:248 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9